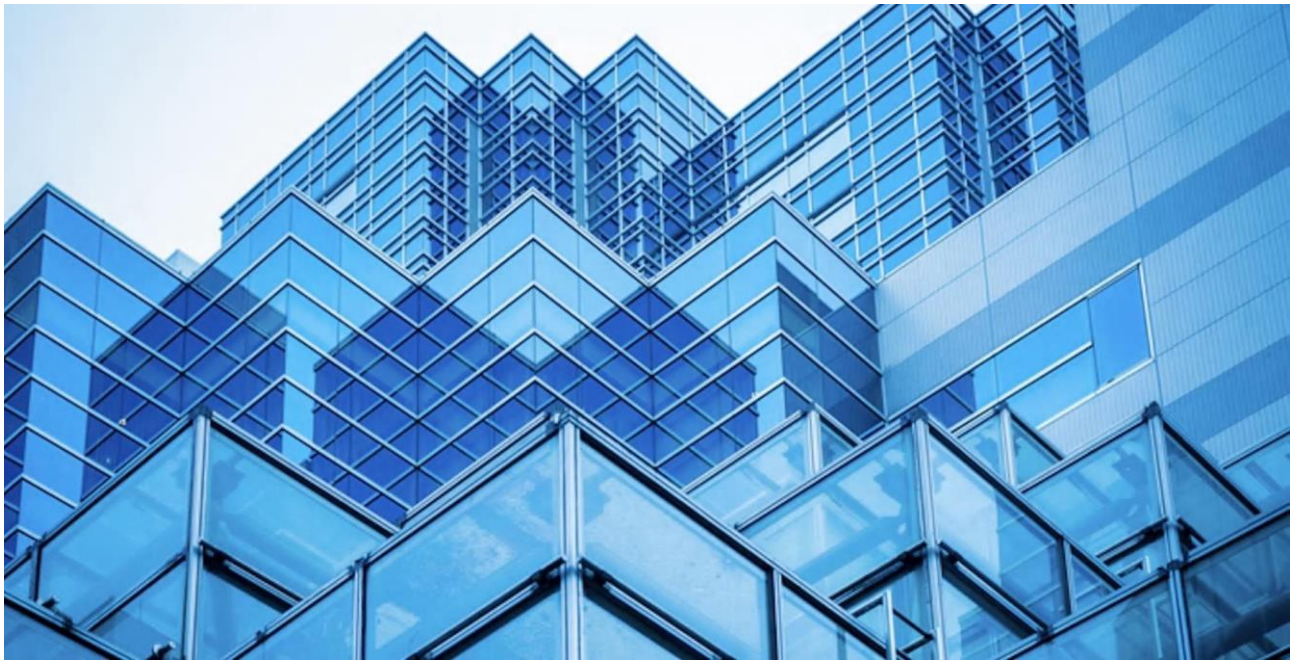


PUBLIC

SAP Build Process Automation
Creation And Modification Of Work Center

Configuration & User Guide

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Change Log

Version	Date	Description
1.0.0	Jan 8th, 2024	Document created

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This document contains three sections. Each section covers different information about this template content package.

1. Overview: In this section, you will get a quick overview of the use case, what are high-level components used and how the template works in a nutshell. Prerequisite section provides information of different services of SAP Business Technology Platform that are required to use this template.
2. Configuration Guide: It contains sections which will guide you to setup your
   (a) SAP Business Technology Platform (BTP) Account with destination.
   (b) Import and configure the template using SAP Build Process Automation design studio.
3. User Guide: This section provides details about different artifacts that are used in this template like process definition, automations, forms, email notifications etc. to better understand how different capabilities are used in this template.

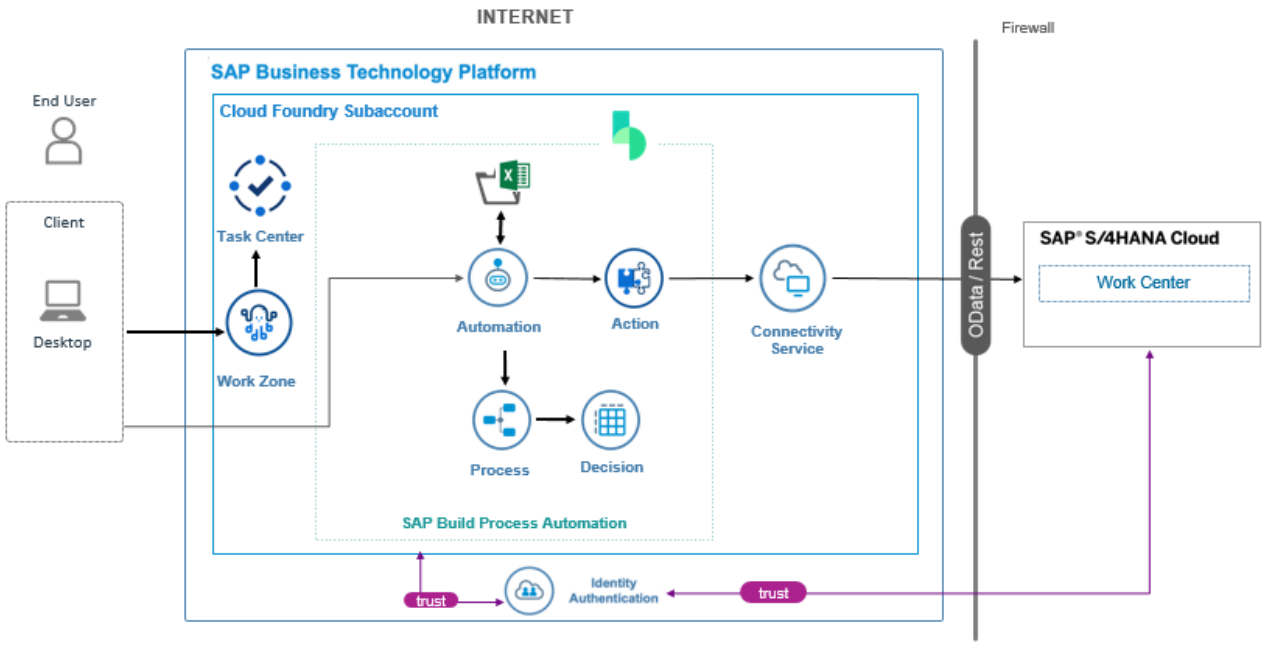
Note:

- This documentation is not a detailed guide to set up SAP Business Technology Platform services. It assumes that the IT admin who is setting the content is skilled with the SAP Business Technology Platform environment. The Configuration section must be mandatorily followed to import and configure the template.
- This template content is to accelerate your solution development. You must modify this template according to your requirements to achieve the desired business goal. To use this template content, you need to have basic knowledge and understanding of SAP Build Process Automation, SAP Integration Suite, and its capabilities.

Overview

The "**Creation And Modification Of Work Center**" process streamlines and automates the process of creating and updating work center details based on a predefined excel template through SAP Build Process Automation within the SAP S/4HANA system. It is more time-efficient for the users to complete and upload an excel template with the necessary data instead of working individually in the SAP S/4HANA system. This template covers the capability to create and update work centers in the SAP S/4HANA system.

Solution Diagram:



The following steps are included as a part of **Creation And Modification Of Work Center** template:

- The template uses below API:

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- **Work Center API**
  - **GET Method: /A_WorkCenters**
    This API is used to retrieve the work center details in the SAP S/4HANA system.

  - **POST Method: /A_WorkCenters**
    This API is used to create a new work center in the SAP S/4HANA system.

  - **Patch Method: /A_WorkCenters(WorkCenterInternalID='{WorkCenterInternalID}',WorkCenterTypeCode='{WorkCenterTypeCode}')**
    This API is used to change work center details with the parameters like "WorkCenterInternalID" and "WorkCenterTypeCode" in the SAP S/4HANA system.

More information can be found in /api/API_WORK_CENTERS/overview

1) Scheduled Automation Trigger 1:

- **Start Process: "Fetch Work Center Data For Update"** automation will be scheduled to run the process automatically in unattended mode, no actions required from the end user to start the process.

- **Read Operation**: **"Fetch Work Center Data For Update"** automation reads the data from the "Selection Screen" excel which is placed in the predefined folder and triggers the **"Get Change Work Center Data"** automation.

- **Fetch Operation**: **"Get Change Work Center Data"** automation fetches the data for the given range of "WorkCenterInternalID" and stores the details in **"**Template_WorkCenter" excel file and the file should be placed by the user in "ToBeProcessed" folder which will be used for the update operation.

- Email confirmation will be sent to notifier/stakeholder with the process completion status.

2) Scheduled Automation Trigger 2:

- **Start Create and Update Process: "Read Details From Excel File"** automation will be scheduled to run the process automatically in unattended mode, no actions required from the end user to start the process.

- **Read Operation: "Read Details From Excel File"** automation reads the details from the **"**Template_WorkCenter" excel file placed in the **"**ToBeProcessed**"** folder and trigger the **"Creation Of Work Center"** and **"Change Of Work Center"** process to initiate, create and change the work center.

- **Create Work Center Operation:** Different automations are used to create a work center in the SAP S/4HANA system using API based on the approval requirement.

- **Change Work Center Details Operation:** Different automations are used to update work center details in the SAP S/4HANA system using API based on the approval requirement.

- Email Notification will be sent to notifier/stakeholder upon:
  - Successful execution of automation.
  - Rejection notification

This structured process ensures that the process moves through an efficient and automated workflow. This will reduce the manual efforts, error rate, lead time for creating work center or changing work center details.

Prerequisites

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The following SAP Business Technology Platform services are required to consume the content package of **Creation And Modification Of Work Center** in the SAP S/4HANA:

- SAP Build Process Automation to orchestrate the process.
- SAP Cloud Identity Services - Identity Authentication (Optional)
- SAP Connectivity service to establish access to the SAP S/4HANA, Public Edition
- SAP Business Technology Platform, Cloud Foundry runtime
- SAP Work Zone, standard or advanced edition for accessing My Inbox and Process Visibility workspaces.

Other Prerequisites

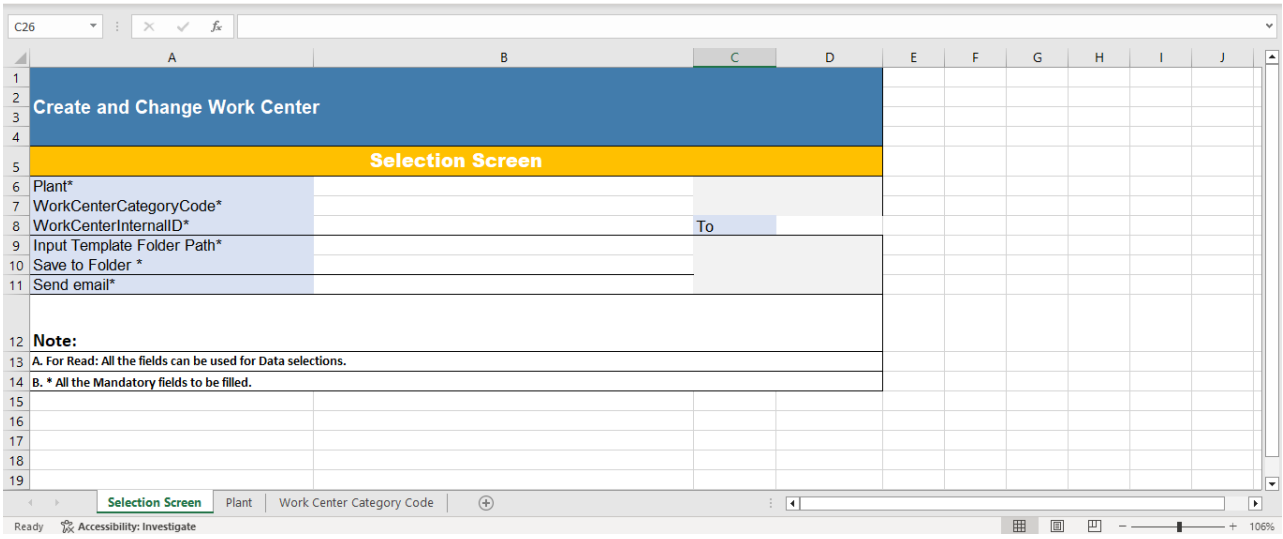
For this template to run successfully the following other prerequisites are needed:

- SAP Desktop Agent 3.23.45 or higher
- Selection screen excel for creating input template for update operation and the input template file required to create and update work center should be placed in the predefined folder. Example structure is shown below.

Note: The excel template files are included in this package and all names are case-sensitive. User must create the folder.

Name	Type	Sample Path	Description
<Root Folder>	Folder		Root Path
+ -Template	Folder	C:\Root\work center\Template	Sub folder which contains blank template files.
| Template_WorkCenter.xlsx	File	C:\Root\work center\Template\ Template_WorkCenter.xlsx	Blank Template_WorkCenter file.
| Selection Screen.xlsx	File	C:\Root \work center\Template\Selection Screen.xlsx	Blank Selection Screen file.
+ - SelectionScreen	Folder	C:\Root\work center\SelectionScreen	Folder containing populated selection screen files used in fetch operation.
+ - FetchedWorkCenter	Folder	C:\Root\work center\FetchedWorkCenter	Folder containing fetched work center details yet to be updated by the user.
| InputFile.xlsx	File	C:\Root\work center\FetchedWorkCenter\InputFile.xlsx	Input File which contains change work center details that should be placed in 'ToBeProcessed' folder by the user
+ -ToBeProcessed	Folder	C:\Root\work center\ToBeProcessed	Folder containing file that are updated by the user which will be picked for create and update operation

Important Note – The template file names & structures are fixed; no changes should be made to them for the entire process to work. If the folder structure is not correct the process will fail.



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Fig: Selection Screen Excel File

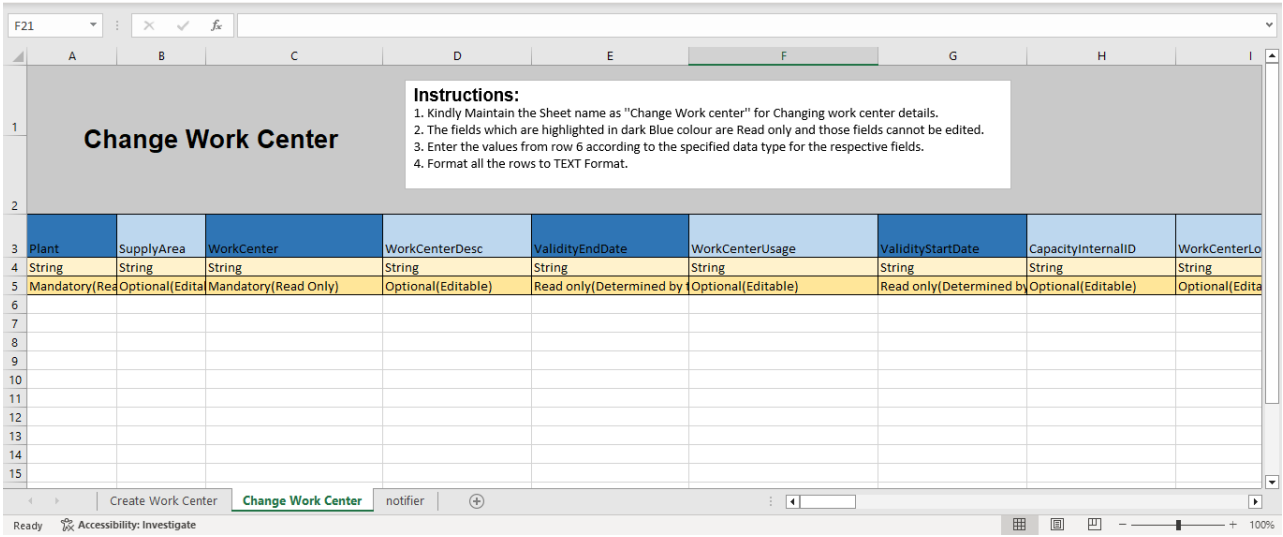


Fig: Template_WorkCenter Excel File

- It will read the data from the selection screen excel file which is placed in the predefined folder.
- You can decide the folder where the selection screen excel should be placed and configure the same in the trigger.
- Details should be filled in the **"create work center"** sheet to create a new Work center.
- Details should be filled in the **"change work center"** sheet to change Work center.
- Notifier email should be filled in the **"notifier"** sheet to send Email Notification.
- All the mandatory fields should be filled in the excel file.

Note:

- This package is designed only to work with the provided input template file structures. **DO NOT CHANGE** any column properties and structure.
- If any changes are made in the input template structure, related process & automation implementation also need to be updated to handle those changes.

Process Flow

To fetch work center details from the SAP S/4HANA system for update:

1) **Manual Update:**
   End user must fill the selection criteria in the selection screen excel template file with the notifier email address and place the excel file in the "SelectionScreen" folder.
2) **Scheduled Automation Trigger 1:**
   The **"Fetch Work Center Data For Update"** automation is scheduled to automatically run without human intervention.
3) **Read The Work Center Details:**
   The **'Fetch Work Center Data For Update'** automation opens and reads the data from the "Selection Screen" excel file which contains the work center details from predefined folder location.
4) **Iterating Through List Of Work Center Data Based On Work Center Internal Id:**
   For each work center data, the **'Fetch Work Center Data for Update'** automation initiates another sub-automation named **'Get Change Work Center Data'** which performs all the steps required to retrieve the work center details from the SAP S/4HANA system and save it into "Template_WorkCenter" excel file.

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5) **Saving Processed Input file and Send Mail Notification:**
   - Once the “Selection Screen” file(s) have been processed from the predefined folder, it is renamed as **<FileName_Processed>** and saved in the same predefined folder.
   - Mail notification will be sent to the notifier once the details are collected from the SAP S/4HANA system.

To create and update work center details in the SAP S/4HANA system:

1) **Manual Update:**
   End user must fill the all the worksheets in the “Template_WorkCenter” file which is placed in the “FetchedWorkCenter” folder and move the file to “ToBeProcessed” folder which will be used for the create and update operation.
2) **Scheduled Automation Trigger 2:**
   ‘Read Details From Excel File’ automation is scheduled to automatically run without human intervention.
3) **Read The Work Center Details:**
   The **‘Read Details From Excel File’** automation opens and reads the data from the “Template_WorkCenter” excel file which contains work center details to initiate the process for creating and changing the work center in the SAP S/4HANA.
4) **Iterating Through List Of Work Center Data Based On Plant And Work Center Category Code:**
   For each group of work center details, the **‘Read Details From Excel File’** automation initiates another two sub-processes named “**Creation Of Work Center”** and **“Change Of Work Center”** which performs all the steps required to complete create and change of work center details process.

a) **Create Work Center Process:**

- **Determine If Approver Required:** Checks if approval is required for the “Plant” and “WorkCenterCategoryCode”. If the approver is needed, it will determine the approver using a decision table, else create a new work center using “**Auto Create Work Center**” automation.
- **Determine Approver:** Approver is determined using the decision table based on the “Plant” and “WorkCenterCategoryCode”. This information is essential for the next step.
- **Determine Admin:** Admin is determined using the decision table based on the “Plant” and “WorkCenterCategoryCode” to notify if approver is missing. This information is essential for the next step.
- **Send Mail Notification:** Mail notification will be sent to admin with the email address retrieved from the previous step to notify about missing approver and to assign approver.
- **Sending Approval Request Task To Approver:** A form named **‘Approval Form – Create Work Center’** is sent to the determined approver from the step. The form includes information about creating work center details, allowing the approver to approve each work center details.
- **Approver’s decision:** If the approver decides to approve the request, **“Create Work Center”** automation is executed to create new work center. If the approver decides to reject the request, **“Generating Log File For Rejected Work Center”** automation is executed.
- **Email Notification:** Mail notification is sent to the notifier/stakeholders upon completion of the process with the log report attached.

b) **Change Work Center Process:**

- **Determine If Approver Required:** Checks if approval is required for the “Plant” and “WorkCenterCategoryCode”. If the approver is needed, it will determine the approver using a decision table, else change work center details using “**Auto Change Work Center**” automation.
- **Determine Approver:** Approver is determined using the decision table based on the “Plant” and “WorkCenterCategoryCode”. This information is essential for the next step.
- **Determine Admin:** Admin is determined using the decision table based on the “Plant” and “WorkCenterCategoryCode” to notify if approver is missing. This information is essential for the next step.
- **Send Mail Notification:** Mail notification will be sent to admin with the email address retrieved from the previous step to notify about missing approver and to assign approver.

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- **Sending Approval Request Task To Approver:** A form named **'Approval Form - Change Work Center'** is sent to the determined approver from the step. The form includes information about change work center details, allowing the approver to approve each work center details.
- **Approver's decision:** If the approver decides to approve the request, **"Change Work Center"** automation is executed to change work center details. If the approver decides to reject the request, **"Generating Log File For Rejected Work Center"** automation is executed.
- **Email Notification:** Mail notification is sent to the notifier/stakeholders upon completion of the process with the log report attached.

5) Saving Processed Input file and Send Mail Notification

- Once the input file(s) have been processed from the predefined folder, it is moved to the **'Processed'** folder in the same predefined folder and is renamed to **'<FileName_TimeStamp>'**. **'Processed'** folder will be created if not present already.
- Log reports will also be saved under predefined folder. **'WorkCenterLog'** folder will be created if not present already.

This structured process ensures that the process moves through an efficient and automated workflow. This will reduce the manual efforts, error rate, lead time for creating work center or changing work center details.

Configuration Guide

Creation And Modification Of Work Center template requires SAP Build Process Automation subscription.
Follow the setup and configuration section.

Setup SAP Business Technology Platform Cockpit

Destination Configuration

Configure SAP S/4HANA Cloud, public edition Destination

To access the SAP S/4HANA system for read and update operations, an HTTP destination is required in the SAP BTP account where the SAP Build Process Automation is subscribed.

Create a destination with Basic Authentication.
Make sure the communication user has the appropriate communication strategy to create and modify work center in the SAP S/4HANA system.

Destination with Basic Authentication

Name	< Creation And Modification Of Work Center>
Type	HTTP
Proxy Type	Internet
Authentication	Basic Authentication
URL	<S/4HANA_ API_WORK_CENTERS/endpoint> Example: https://<host>:<port>/sap/opu/odata/sap/API_WORK_CENTERS/
Username	<username> of the SAP S/4HANA Communication User
Password	<Password> of the SAP S/4HANA Communication User

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Additional Properties to Destination

Additionally, add the following properties in the destination for cloud integration.

sap.applicationdevelopment.actions.enabled	true
sap.processautomation.enabled	true

Setup Communication

To run this template, you must have a communication user, create communication arrangements between the communication user and the following communication scenario, and assign those communication arrangements to a communication system.

Steps to Create Communication System and Communication Arrangement are available in below documentation links:

How to Create Communication Systems | SAP Help Portal
How to Create a Communication Arrangement | SAP Help Portal
Configuration and Role Details for accessing "Communication Systems" application.
Configuration and Role Details for accessing "Communication Arrangements" application.

Communication scenarios to be configured.

Communication Scenario	Related API
Work Center	Overview | Work Center |Accelerator Hub

Configure SAP Build Process Automation Email Destination

Mail notifications are used in this template to send notifications to requestors at various stages of the process. Follow the instructions to set up mail destinations in your SAP BTP Account.
Configuring destination, see Configure a SMTP Mail Destination.
For more information refer to Create HTTP Destinations

IMPORTANT NOTE: This template content is to accelerate your solution development. You can modify this template according to your own requirements to achieve your business goals. To use this template content, you need to have basic knowledge and understanding of SAP Build Process Automation and its capabilities.

Setup SAP Build Process Automation Content

Import Content

This template can be downloaded from the Store:

1) Navigate to the Store in your SAP Build Process Automation application.
2) Select the Project Type filter as "**Process Automation**."
3) In the Search bar type **"Creation And Modification Of Work Center"**
4) Select the "**Create from Template**" button to add the template into your lobby.

After successfully adding the template, navigate back to the lobby to find the **"Creation And Modification Of Work Center"** project available for use.

Caution: Be sure to select the Project Type as "Process Automation" in the filters.

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Configure Agent Management Settings

This configuration is required to execute the Process with Automation. Kindly follow the steps explained here.

Configuration & Modification

Once you have added the content to your lobby, you will find the project in your project list. Adapt the content template based on your requirements, and then release and deploy from the Lobby.

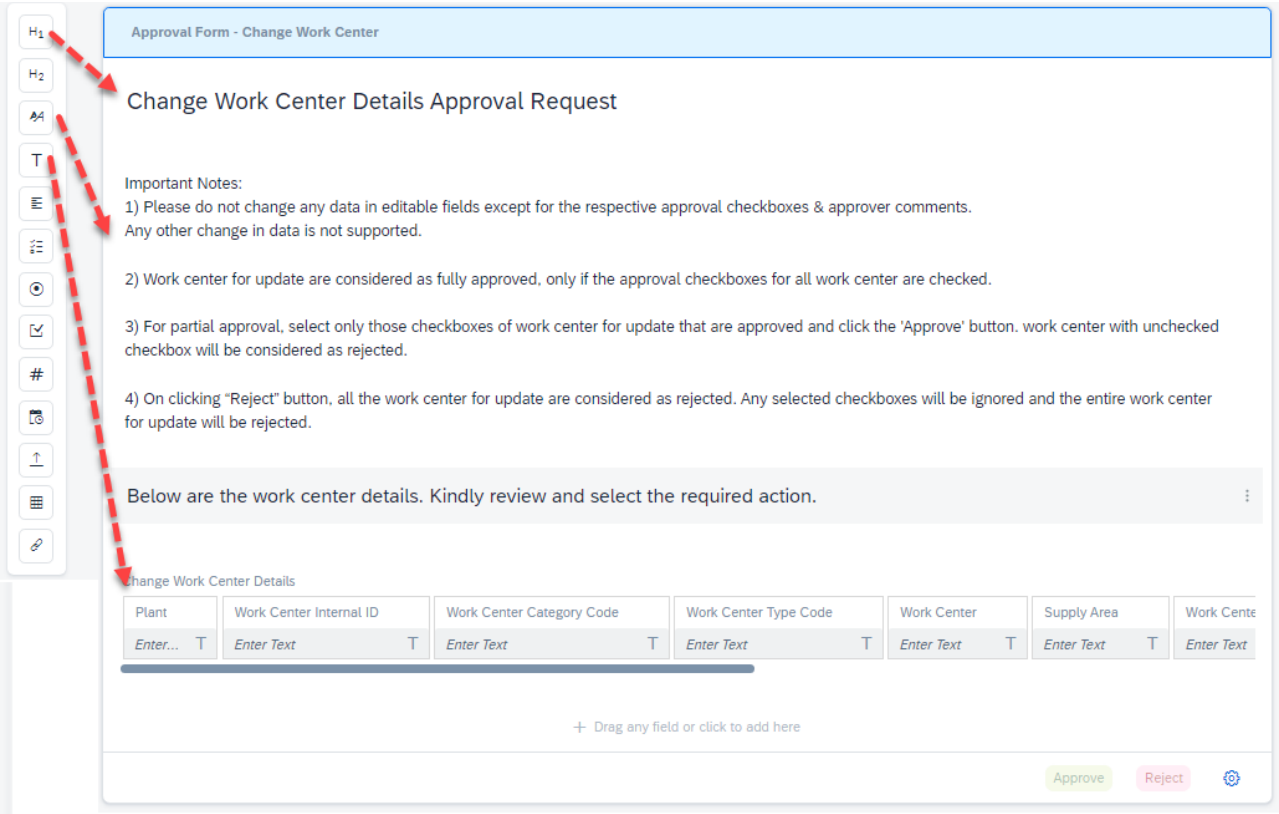
Configure Process

There is no configuration needed in the process. But it can be changed based on your requirements of the business.

Configure Forms (Optional)

You can update or extend the forms based on your requirements. To edit the form:

- Double click the form to open the Form Editor
- You can configure existing fields, add new layout, or input fields to the form by simply dragging-and-dropping them from the side menu.



Configure Decision

Below are the decision artifacts in the process:

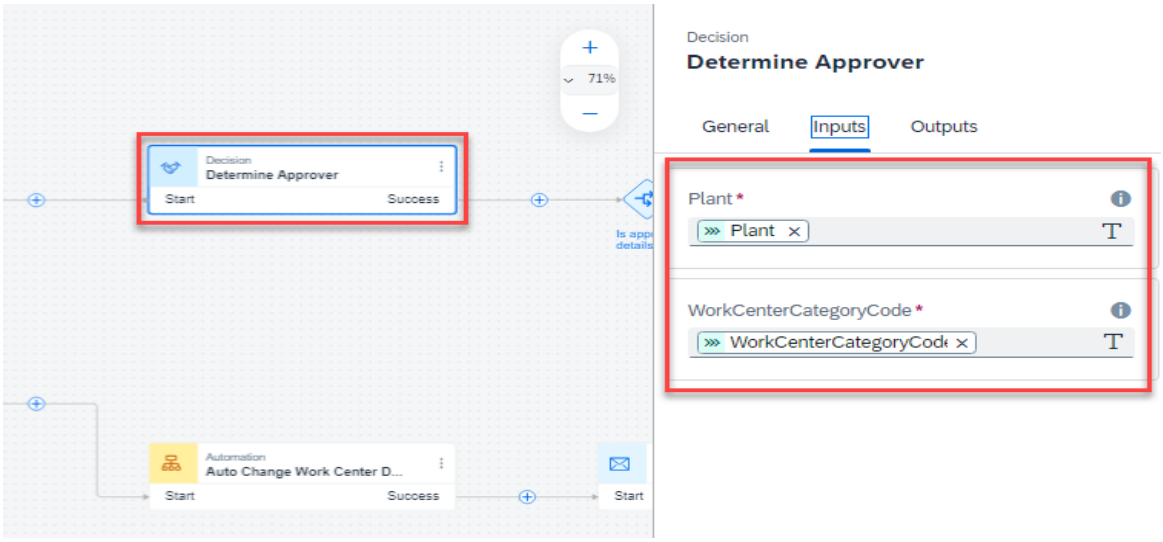
1. Determine Approver: To determine the approver email address to whom the approval task and notification mails are to be sent.
2. Determine If Approval Needed: To determine if the approver is required or not based on company code.
3. Determine Admin: To determine the admin email address to notify about the missing approver.

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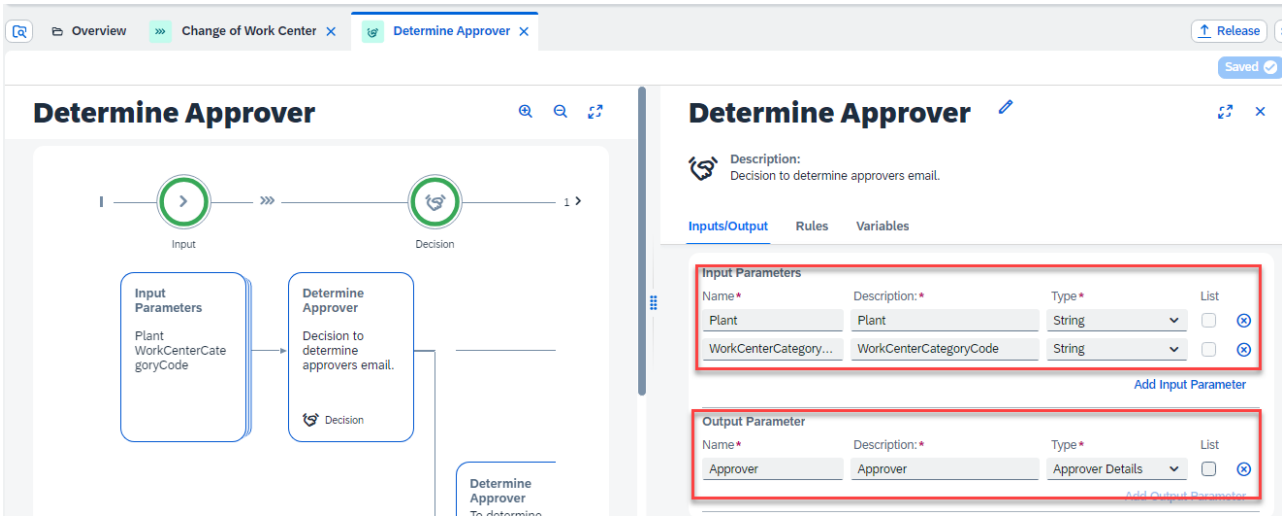
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This decision must be modified for conditions and result values based on your business policies and requirements.

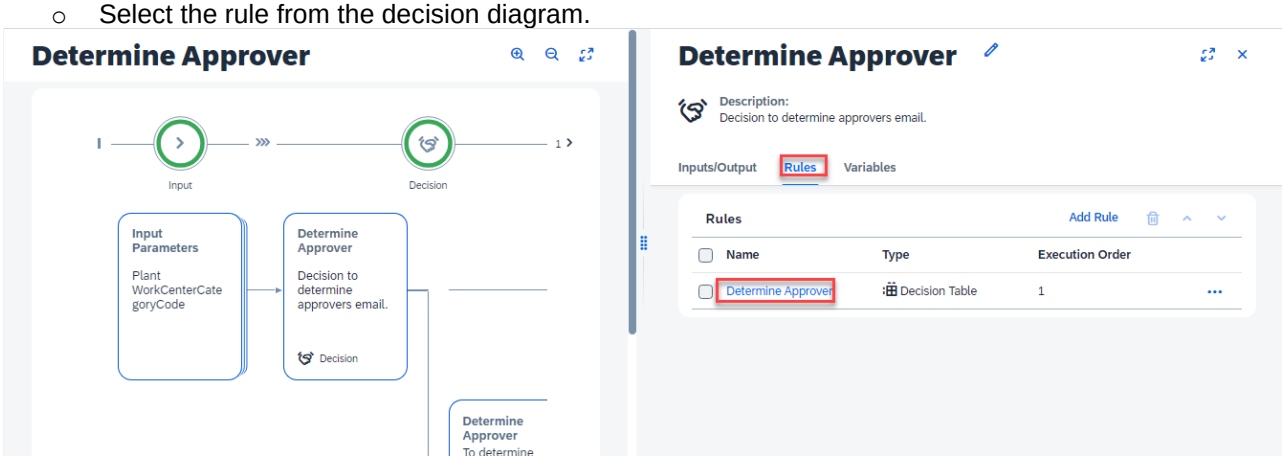
To modify the decision:



- In the process editor, double click to open the Decision.



- Select the rule from the decision diagram.

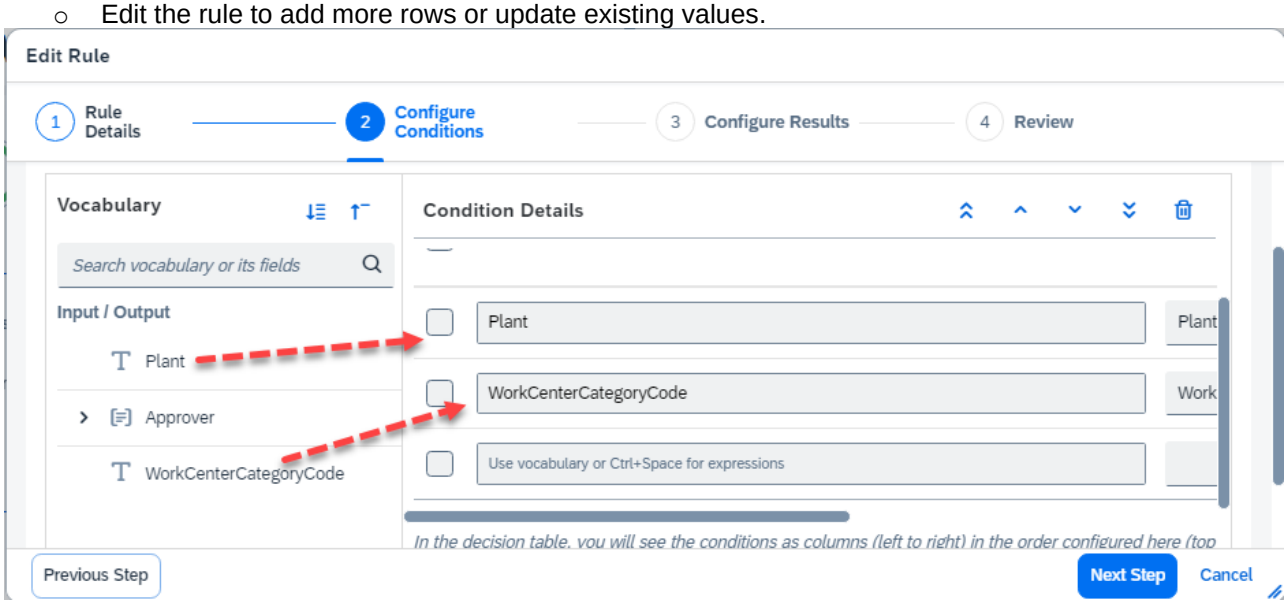


- Click on rule name and click on the pencil icon to edit.
- The attributes used in the decision rule can be selected as per requirement.

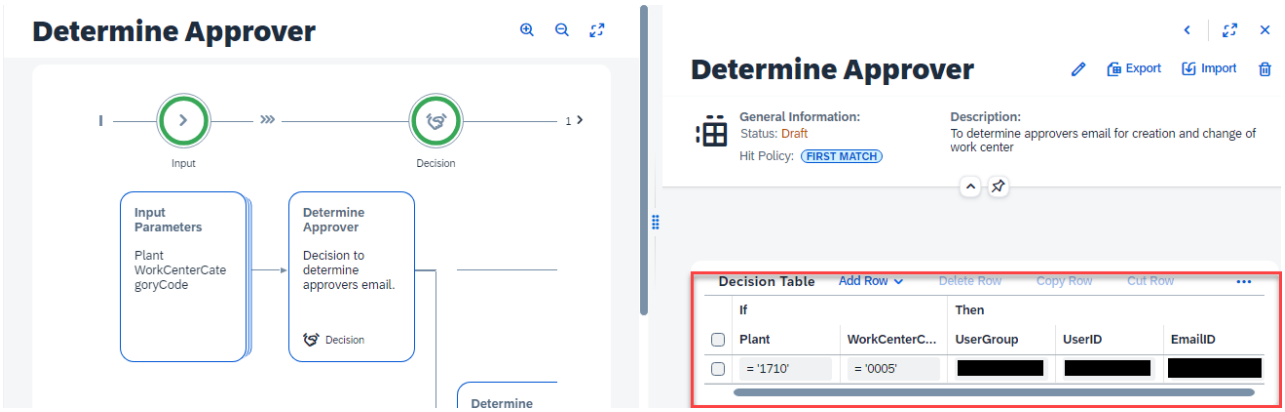
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- Edit the rule to add more rows or update existing values.



- Add conditions to determine Approver and assign approver email address/group.
- Click on Save.



Configure Email

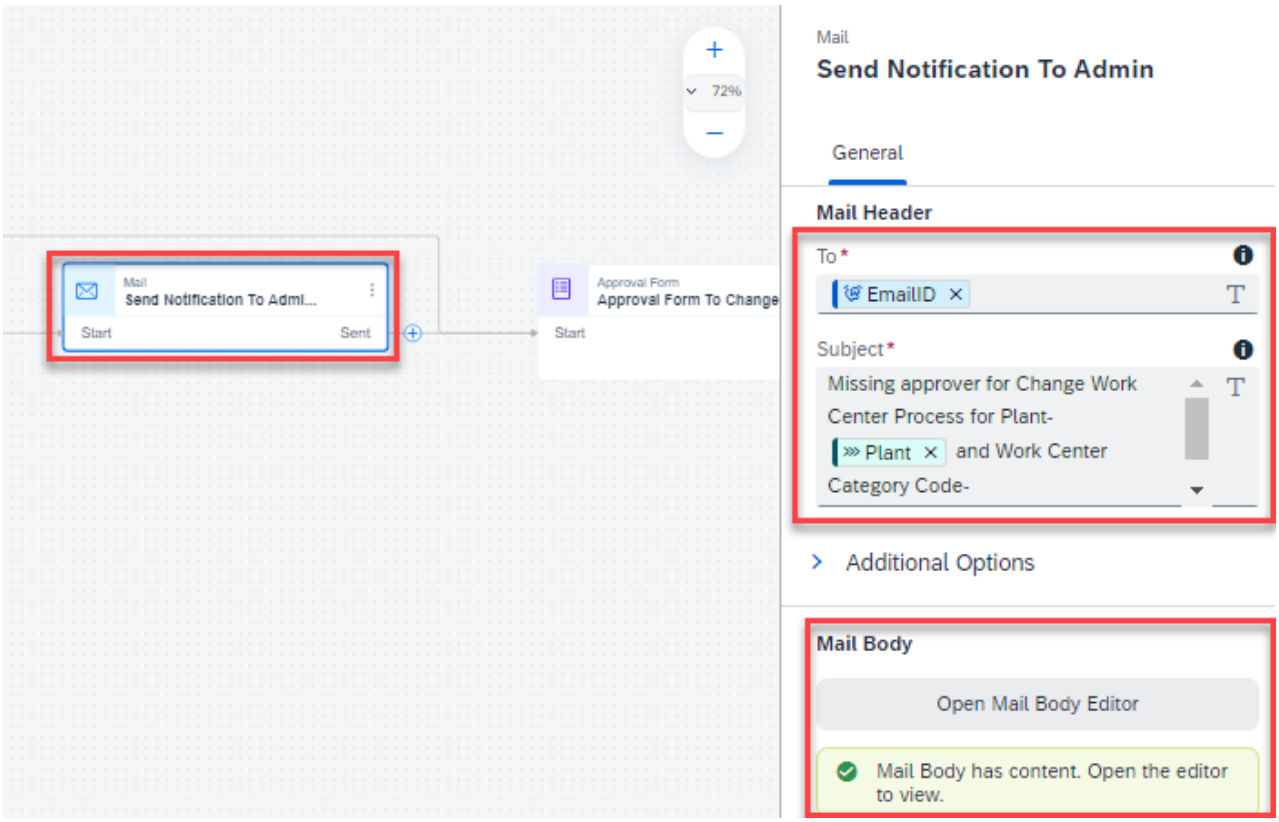
Email notifications are sent to stakeholders after task execution. All the email artifacts in the process have a default template body which can be changed.

To update the email body content, do the following:

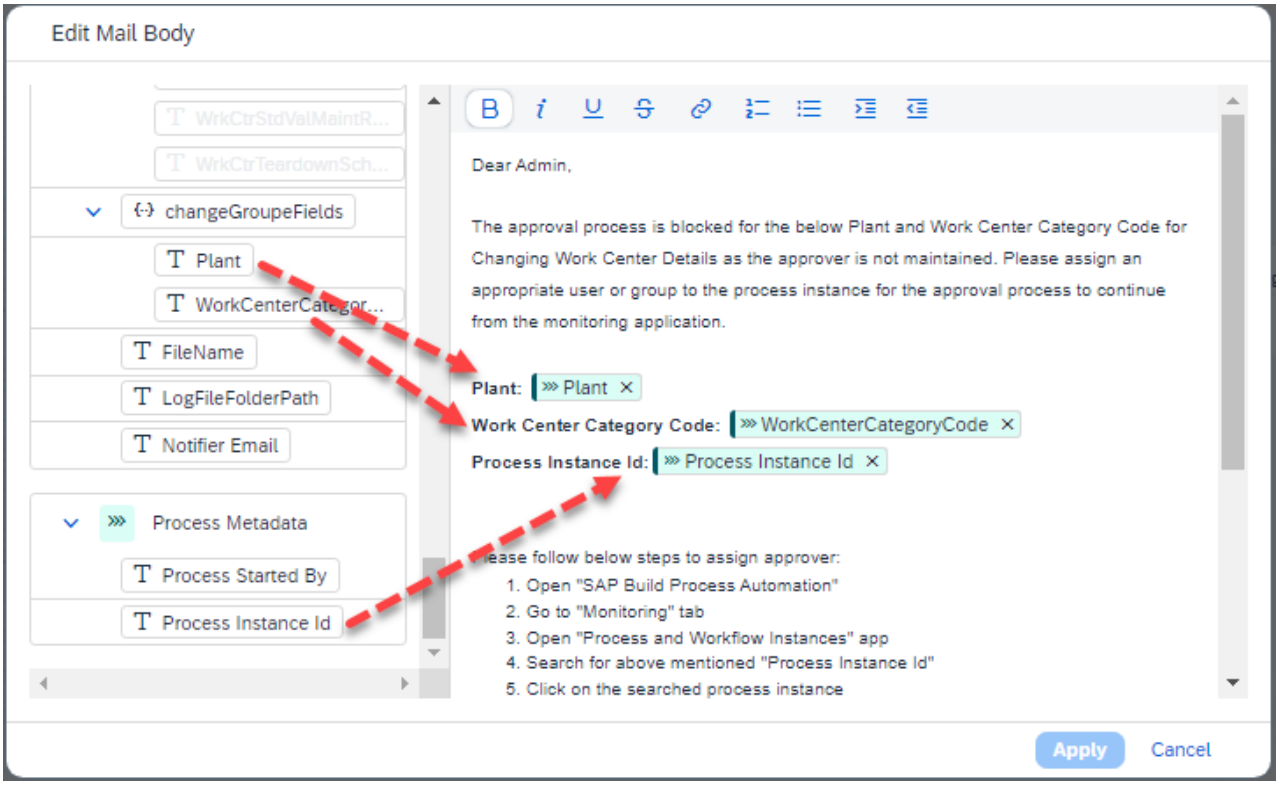
- Select the mail artifact in the process.
- From the Settings in the right-side panel, check the Mail Header to confirm the 'To' field (or email recipients) and the Subject. You can adjust the subject and recipient, if needed.
  - You may also add someone in 'CC'
  - Click on 'Open Mail Body Editor.'

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The mail editor allows you to write and adjust text according to your needs. You can also reuse information that has been collected during the process. If you want to use additional process context data, you can simply drag the fields from the left menu to the editor on the right.

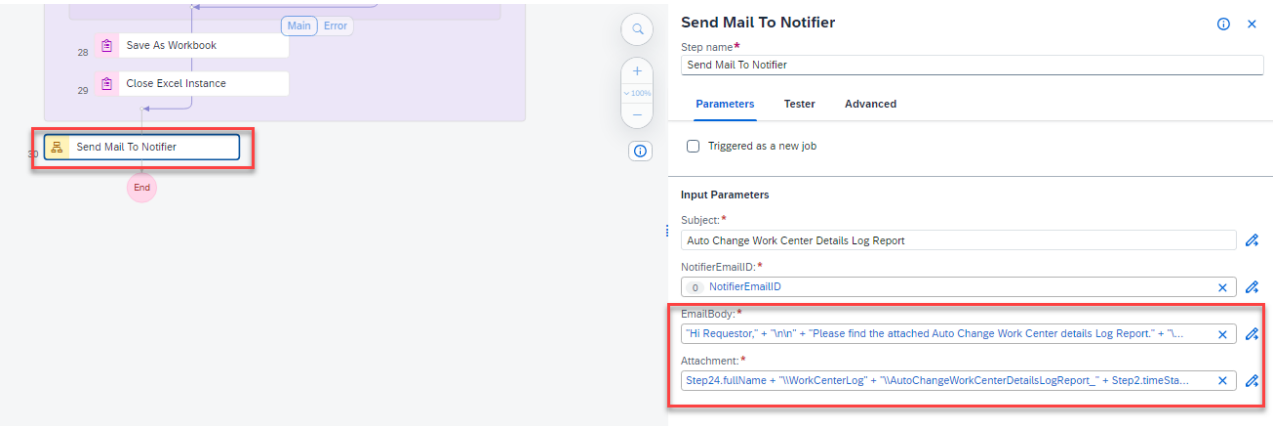


There are email notification steps available in the automations as well. These are sent via Microsoft Outlook on the computer where the automations run.

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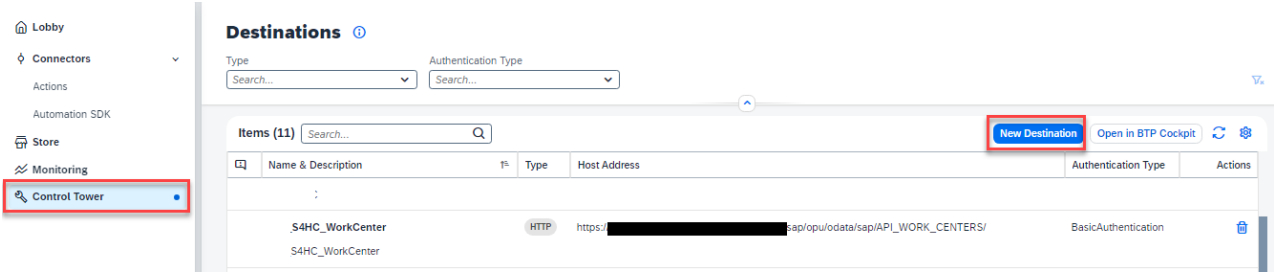
The body and subject of the email can be modified accordingly as per your need.



Configure Destination Settings

Actual destinations that are created in SAP BTP cockpit will be required when you deploy the process. This actual destination will be mapped in the destination environment variables during deployment.
To configure destination:

- Click on **Control Tower**.
- Select **Destinations** from the right panel.
- Click **New Destination**
- Select the destinations to be added.



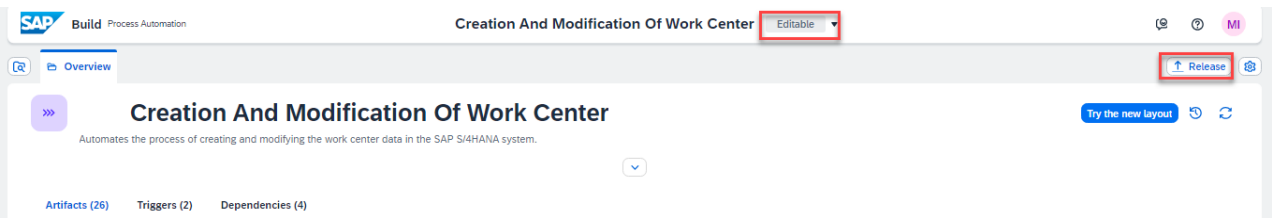
Release and Deploy Process

After configuring your process, it is time to publish, evaluate and run it. To run a process, you must first release and deploy it.

Release - This locks the version of your process, meaning that no further edits can be made to that version. At this stage, the process cannot run and is not available to participants yet.

To release a version of your process,

- First ensure that the status is listed as '**Editable.'**
- Then click '**Release'**:



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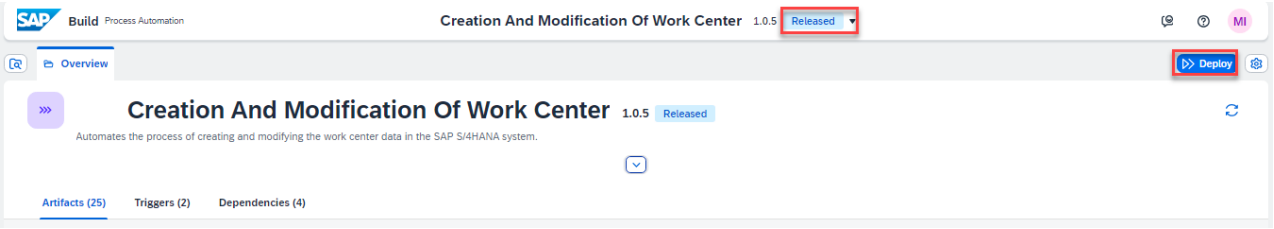
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If this is the first time you have released the process, a version labeled 1.0.0 is released. For subsequent releases, you are prompted to select a version type before the process is released.

Deploy – This takes a released version of a process and enables it to be actively run and monitored. A deployed version of this process triggers automation, allowing creation, modifying of the work center, and sending out a successful email to stakeholders.

To deploy a released version of your process,

- First ensure that the status is listed as '**Released'**
- Then click "**Deploy**."



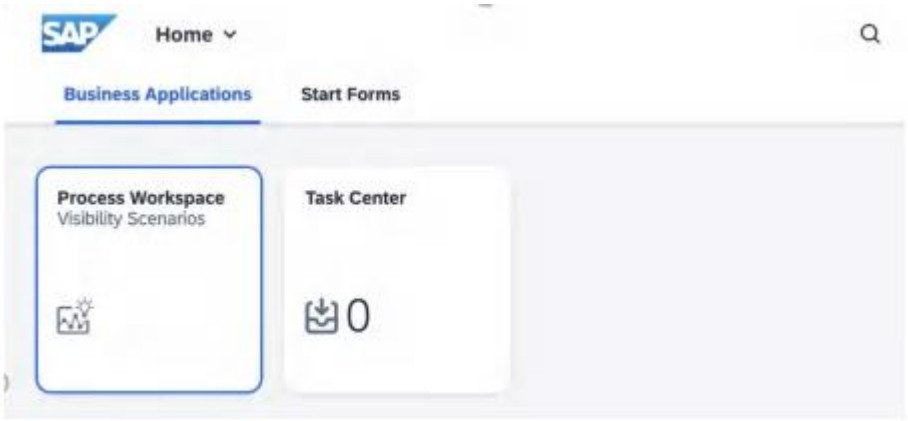
To deploy your project, you will be prompted to provide a destination as an environment variable. Select the destination from the drop-down.

Note: If you do not map your destination environment variable with the actual SAP BTP destination during deployment, then the process will enter an Erroneous state when it tries to connect to the external system. For more details about the Destination artifact, please read our documentation.

Configure SAP Work Zone

Now that the process is released and deployed, you can configure SAP Work Zone standard or advanced edition to give access to your business users to track the process and business KPIs using process visibility workspace.

To configure SAP Work Zone standard edition - add Process Workspace and Task Center tile in SAP Work Zone to access the visibility dashboard. Follow the tutorial to configure Work Zone standard edition.



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User Guide

Capabilities

This template content contains the following key artifacts:
Please refer to help documentation about these different artifacts.

Icon	Type	Name	Description
	Process	Creation Of Work Center	Process to create work center
	Process	Change Of Work Center	Process to change work center details
	Automation	Fetch Work Center Data For Update	Main automation to get work center details from selection screen input file that must be updated in work center
	Automation	Get Change Work Center Data	Automation to access the SAP S/4HANA system to get the change work center details based on the inputs from selection screen excel file and store the details in the “Template_WorkCenter” excel file.
	Automation	Read Details From Excel File	Automation to read data from the input template excel file for creation and change of work center details
	Automation	Auto Create Work Center	Automation to create new work center in backend system which is auto approved. If there are any errors during creation, it will return an error message with reasons for the failure.
	Automation	Create Work Center	Automation to add new work center in backend system which is approved by the approver. If there are any errors during creation, it will return an error message with reasons for the failure.
	Automation	Auto Change Work Center Details	Automation to change work center details in backend system which are auto approved. If there are any errors during the change, it will return an error message with reasons for the failure.
	Automation	Change Work Center	Automation to change work center details in backend system which are approved by the approver. If there are any errors during the change, it will return an error message with reasons for the failure.
	Automation	Generating Log File	Automation to generate log report for work center which will show number of records are success or failed and give the detailed information regarding each record.
	Automation	Generating Log File For Rejected Work Center	Automation to generate log report for the rejected create and change of work center.

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	Automation	Write Log Report	Automation to store the values of work center in report log excel file.
	Automation	Send Mail To Notifier	Automation to send log report mail to notifier.
	Form	Approval Form - Create Work Center	Form that is sent to designated user(s) to review and approve creation of the new work center data
	Form	Approval Form - Change Work Center	Form that is sent to designated user(s) to review and approve change of work center data
	Decision	Determine If Approver Needed	Decision to determine if approver is needed for plant and work center category code
	Decision	Determine Approver	Decision to determine user(s) who will review and approve the work center data requests based on plant and work center category code.
	Decision	Determine Admin	Decision to determine process administrator who will assign approvers when no approver is maintained in determine approver decision.
	Data Type	Admin Details	Data type to store admin details
	Data Type	Approver Details	Data type to store approver details
	Data Type	Work Center (Change)	Data type to store work center data for changing work center details. It captures the entries from change worksheet of excel template
	Data Type	Work Center (Create)	Data type to store work center details for creation. It captures the entries from create worksheet of excel template
	Data Type	Work Center Approved Data	Data type to store approved work center details
	Data Type	Work Center Grouping Fields	Data type to store work center grouping fields which is having plant and category code to use it in process

Forms

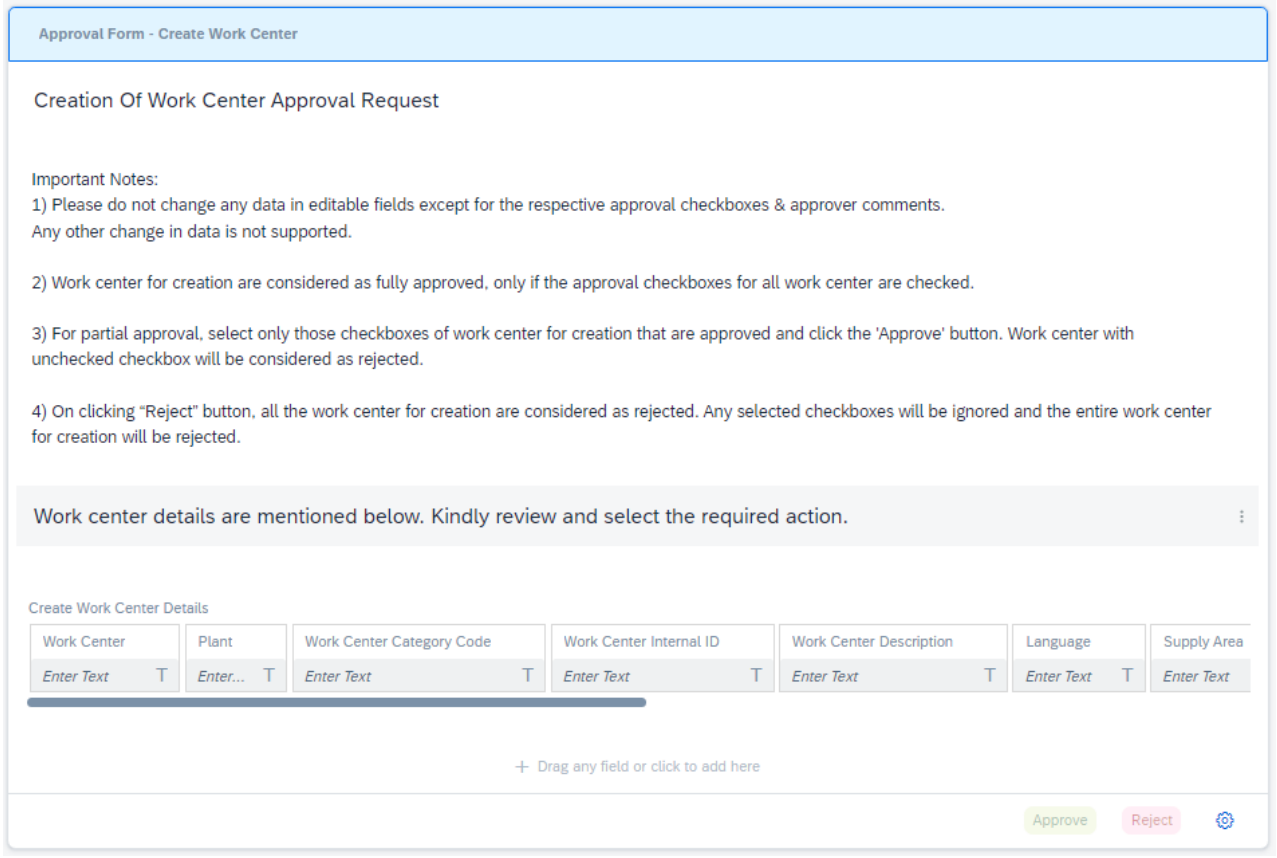
The approval request form seeks approval, providing details about the work center. The approver must take a decision based on the details provided in the form by giving comments for their action.

There are 2 Approval forms for creation and change in the process.

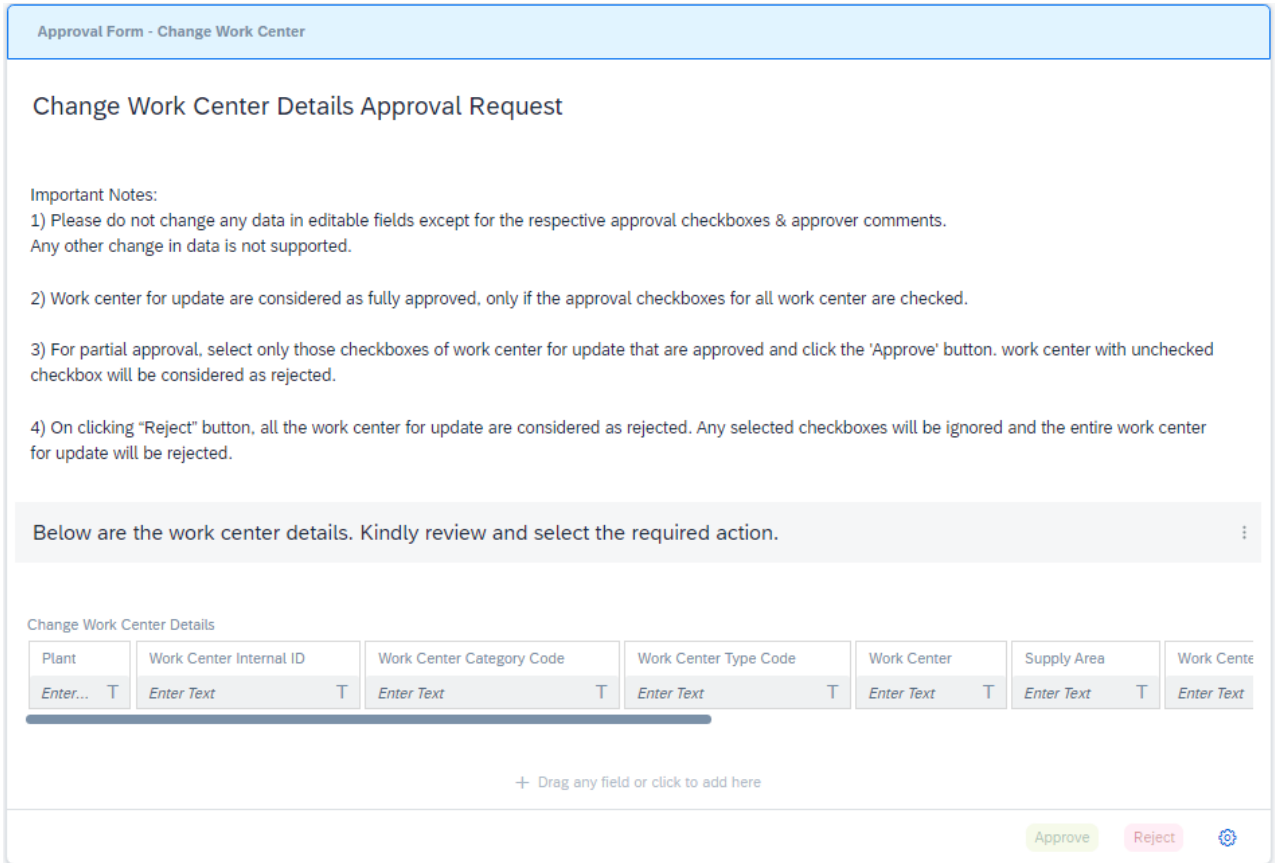
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Approval Form - Create Work Center



Approval Form - Change Work Center



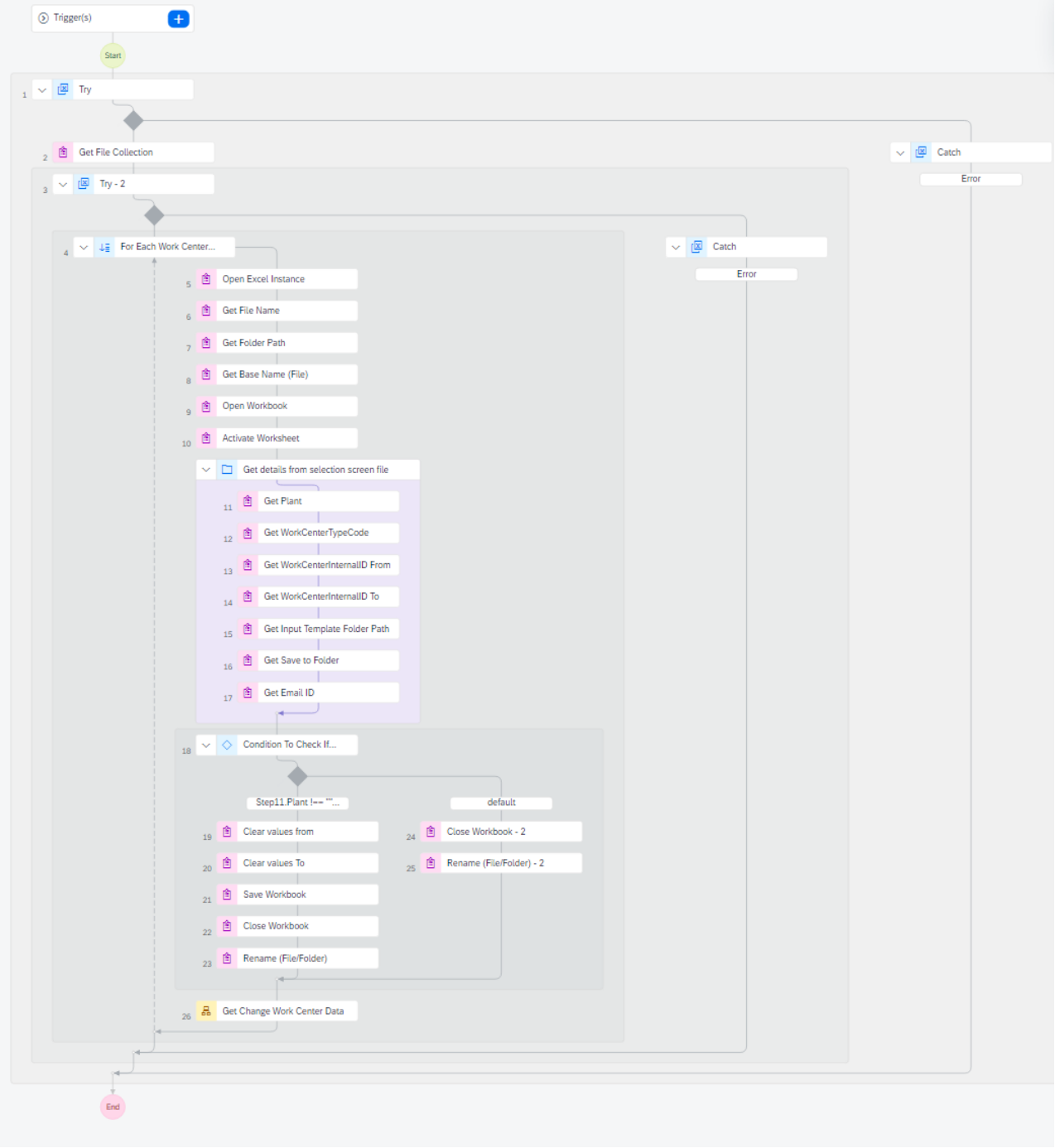
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Automations

Fetch Work Center Data For Update

Main automation to get work center details from selection screen input file that must be updated in work center.



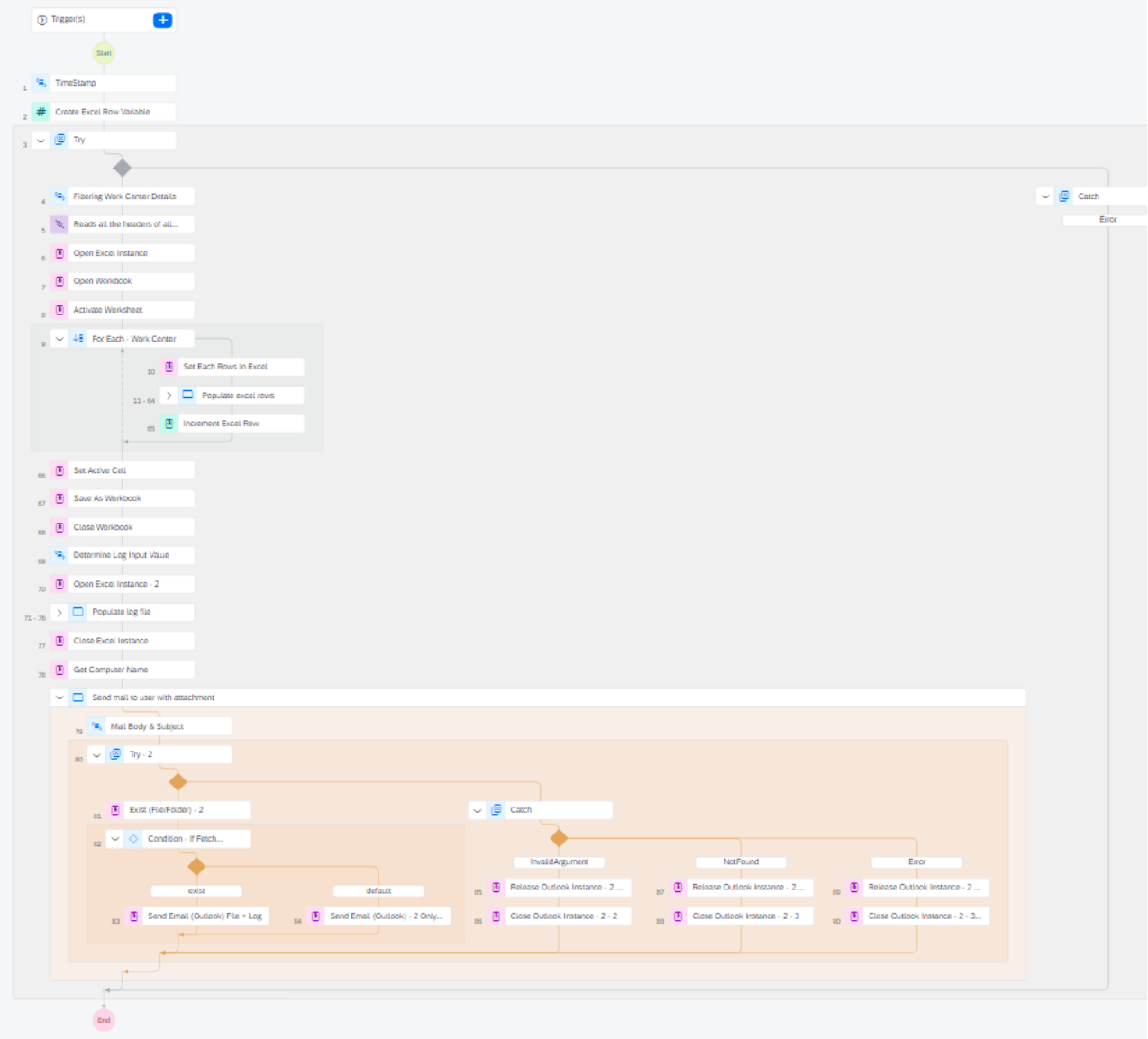
Step 1 to 2: Get each file from the folder.
Step 3 to Step 17: Bot open each file get the value from the selection screen excel file.
Step 18 to Step 25: Condition to check if value in the selection screen excel file is null or not. If it is not null, it will clear the values save, rename the file, and close the excel.
Step 26: Trigger the "**Sub Fetch Selection Screen Data To Excel**" automation.

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Get Change Work Center Data

Automation to access the SAP S/4HANA system to get the change work center details based on the inputs from selection screen excel file and store the details in the “Template_WorkCenter” excel file.



Step 1: Custom script to set date and time.
Step 2: Creating the excel row variable.
Step 3 to Step 4: Filtering the data based on the work center internal Id range.
Step 5: Fetch the work center details from the SAP S/4HANA system using API.
Step 6 to Step 8: Open the input excel file and activate the “change work center” sheet.
Step 9 to Step 65: Fill the excel with the work center details fetched from the SAP S/4HANA system.
Step 66 to Step 67: Saves the file in the designated folder as mentioned in the selection screen excel file.
Step 68: Close the excel file.
Step 69 to Step 77: Fill the excel file with logs.
Step 78: Get the computer name.
Step 79 to Step 90: Trigger the **“Send Mail To Notifier”** to send email with the excel attachment to notifier after the change details are fetched and stored in ‘Template_WorkCenter’ file.

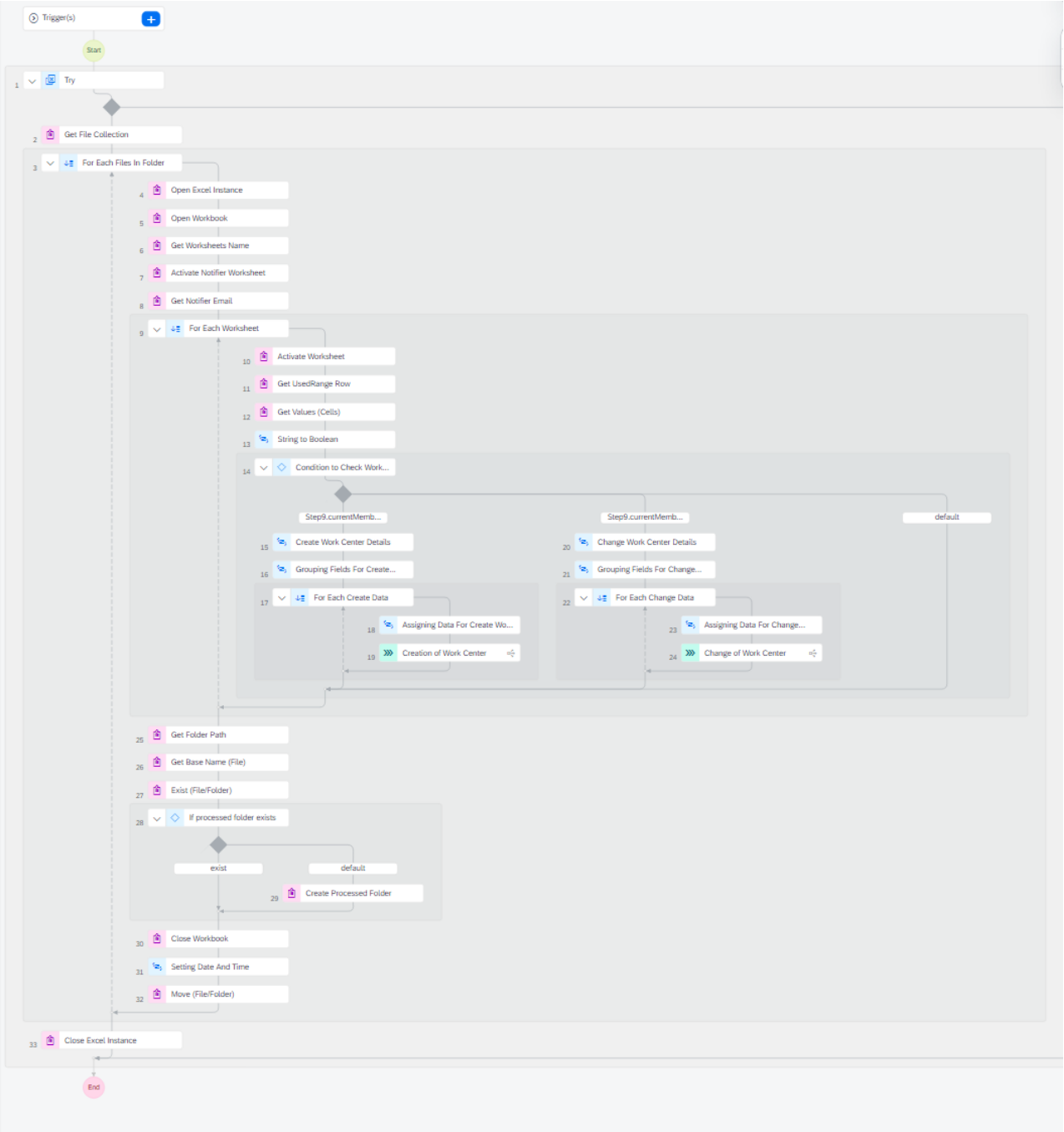
Note: User must mention the folder path in the selection screen

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Read Details From Excel File

Automation to read data from the input template excel file for creation and change of work center details.



Step 1 to Step 2: Retrieves files from the folder and process each file.
Step 3 to Step 6: Open excel file and get the worksheet names.
Step 7 to Step 8: Activate “Notifier” worksheet and get the notifier email Id.
Step 9: For each work sheet in the “Template_WorkCenter” excel file.
Step 10 to Step 12: Activate each worksheet and get the work center values.
Step 13: Checks for boolean values, if the values are in string it converts it into boolean.
Step 14: Condition to check the worksheet name. Based on the sheet name create or change work center process is triggered.
Step 15 to Step 18: Group the work center details based on plant and work center category code.
Step 19: Triggering the creation of work center process to create the work center.
Step 20 to Step 23: Group the work center details based on plant and work center category code.

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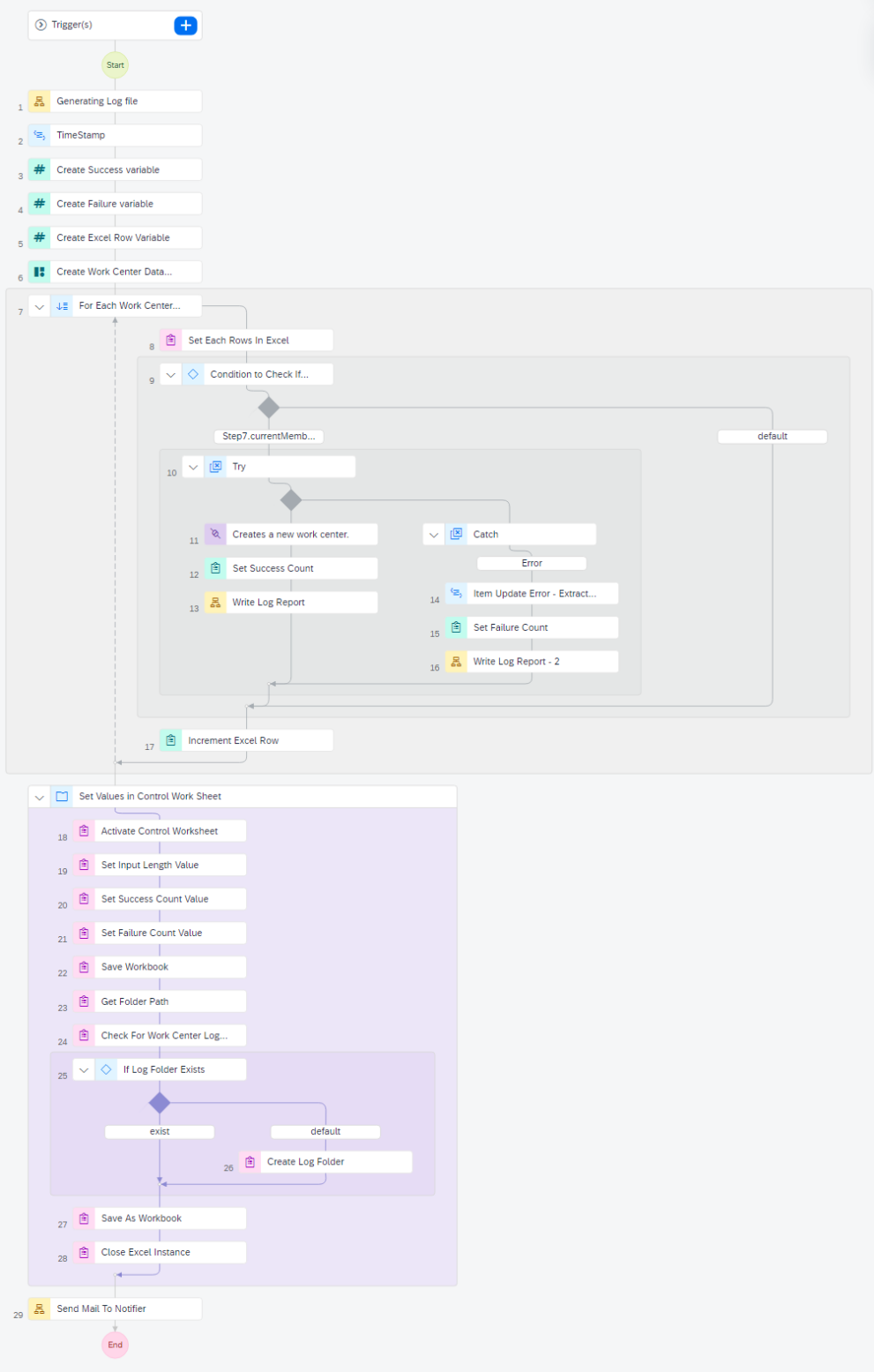
Step 24: Triggering the change of work center process to change the work center details.
Step 25 to Step 29: Check if the **'Processed'** folder exists in the pre-defined folder, if not available then new folder is created and processed excel files is moved to **'Processed'** folder.
Step 30: Close the workbook.
Step 31: Setting the date and time to move the processed file.
Step 32: Move the Input file to the processed folder.
Step 33: Close excel instance.

Auto Create Work Center

Automation to create new work center in backend system which is auto approved. If there are any errors during creation, it will return an error message with reasons for the failure.

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Step 1: Trigger the automation "**Generate Log File"** to generate log report template.
Step 2: Custom script to find current date and time.
Step 3 to Step 6: Create variables required for the process.
Step 7 to Step 9: For each work center details bot will check for the mandatory fields to create the new work center are null or not.
Step 10 to Step 17: If mandatory fields are available, automation creates the new work center and logs the details of work center in the excel.
Step 18 to Step 22: Activate the control work sheet and write the input length, success count, failure count in excel file.
Step 23 to Step 26: Checking if "WorkCenterLog" folder exists, if not it creates folder.

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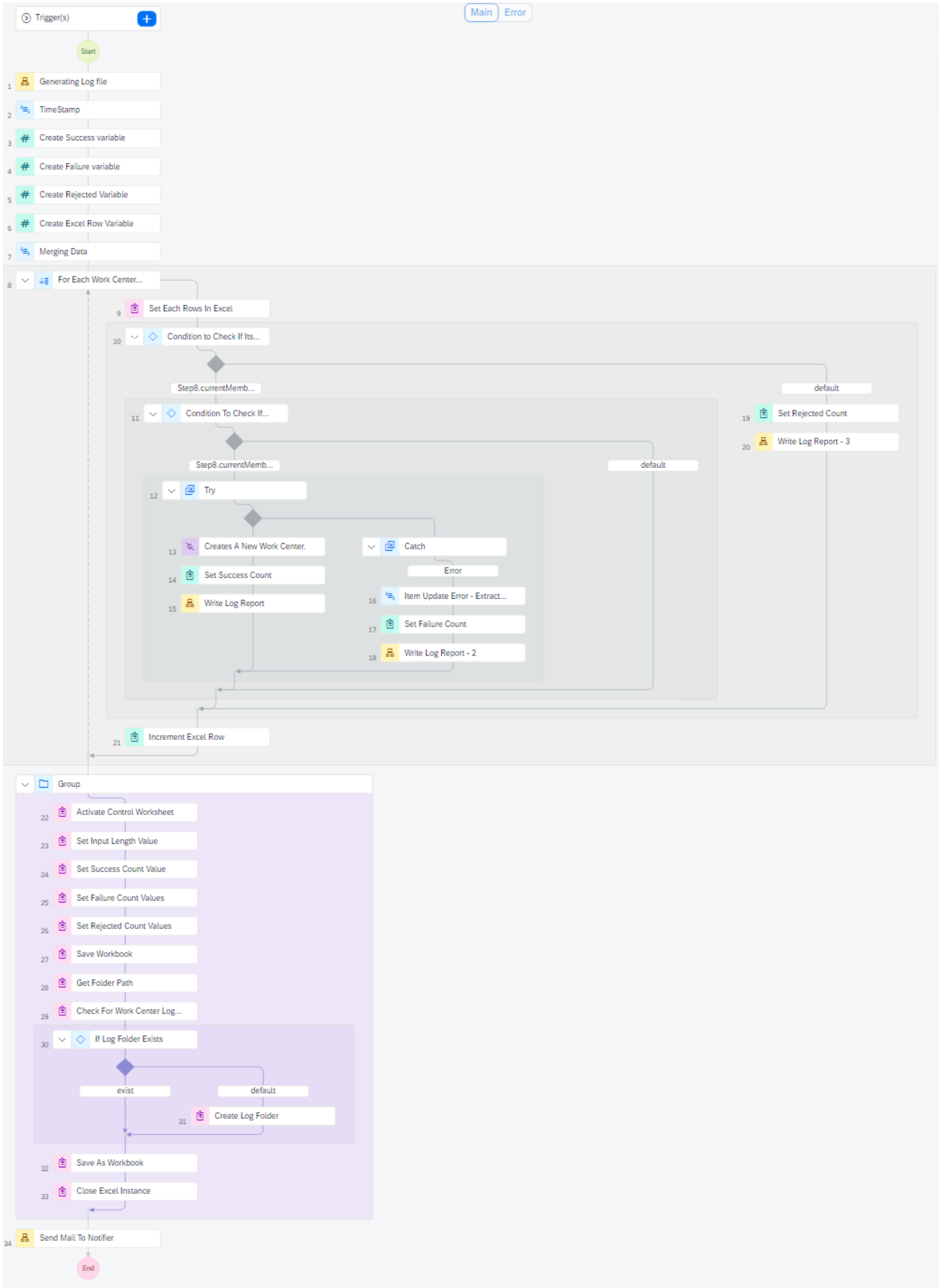
Step 27: Save “AutoCreateWorkCenterLogReport” excel file in the designated folder path.
Step 28: Close the excel instance.
Step 29: Trigger the **“Send Mail To Notifier”** to send email with the excel log report attachment to notifier.

Create Work Center

Automation to add new work center in backend system which is approved by the Approver. If there are any errors during creation, it will return an error message with reasons for the failure.

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Step 1: Trigger the automation to **“Generate Log File”**.
Step 2: Custom script to find current date and time.
Step 3 to Step 7: Create variables required for the process.

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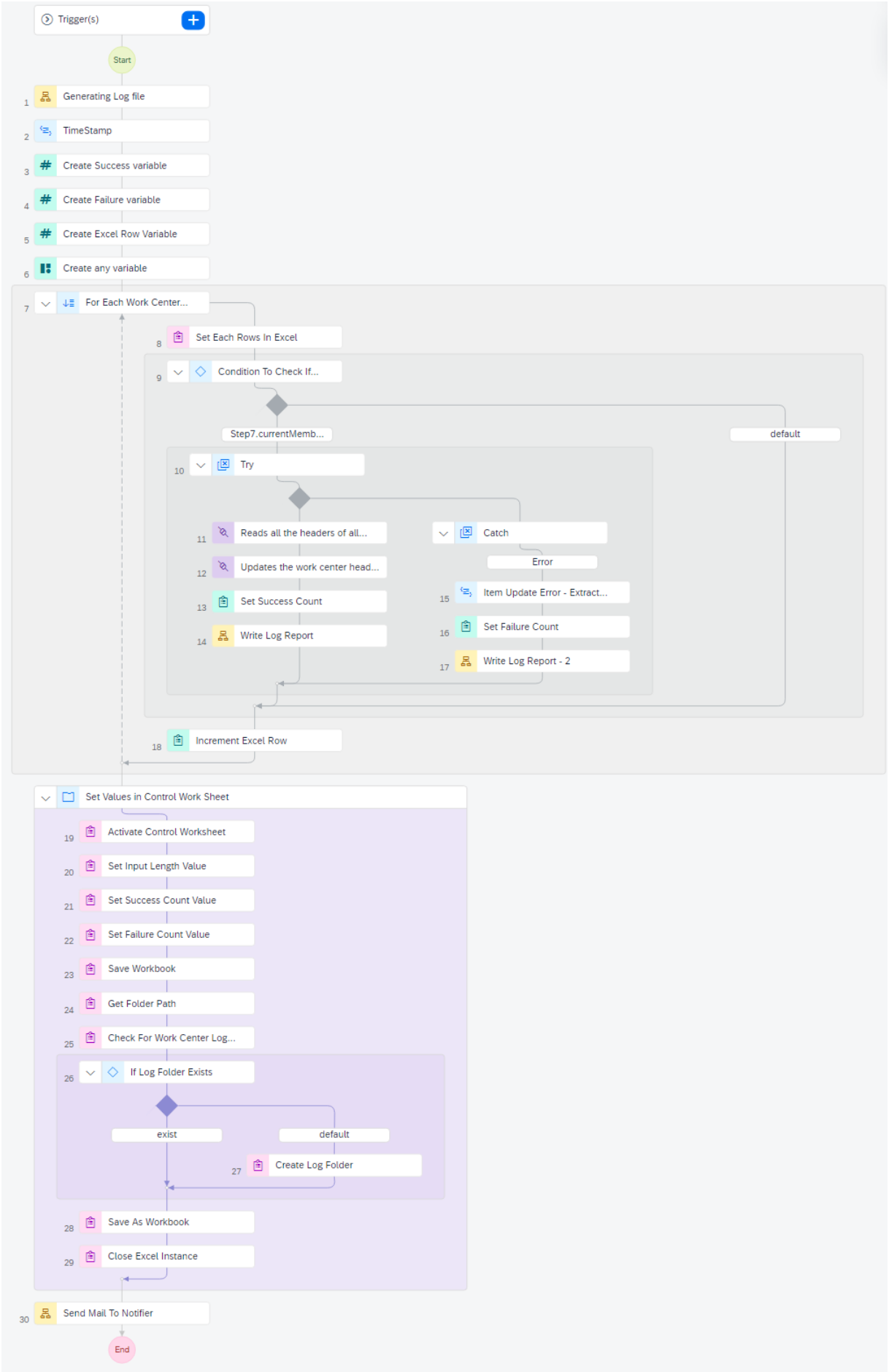
Step 7: Custom script to merge work center details.
Step 8 to Step 10: For each work center details bot will check if details are approved.
Step 11: Condition to check for the mandatory fields to create the new work center are null or not.
Step 12 to Step 21: If mandatory fields are available, automation creates the new work center and logs the details of work center in the excel.
Step 22 Step 27: Activate the control work sheet and write the input length, success, rejected count, failure count in excel file.
Step 28 to Step 31: Checking if “WorkCenterLog” folder exists in pre-defined folder, if not it creates new folder.
Step 32: Save as “CreateWorkCenterLogReport” in the designated folder path.
Step 33: Close the excel instance.
Step 34: Trigger the **“Send Mail To Notifier”** to send email with the excel log report attachment to notifier.

Auto Change Work Center Details

Automation to change work center details in backend system which are auto approved. If there are any errors during the change, it will return an error message with reasons for the failure.

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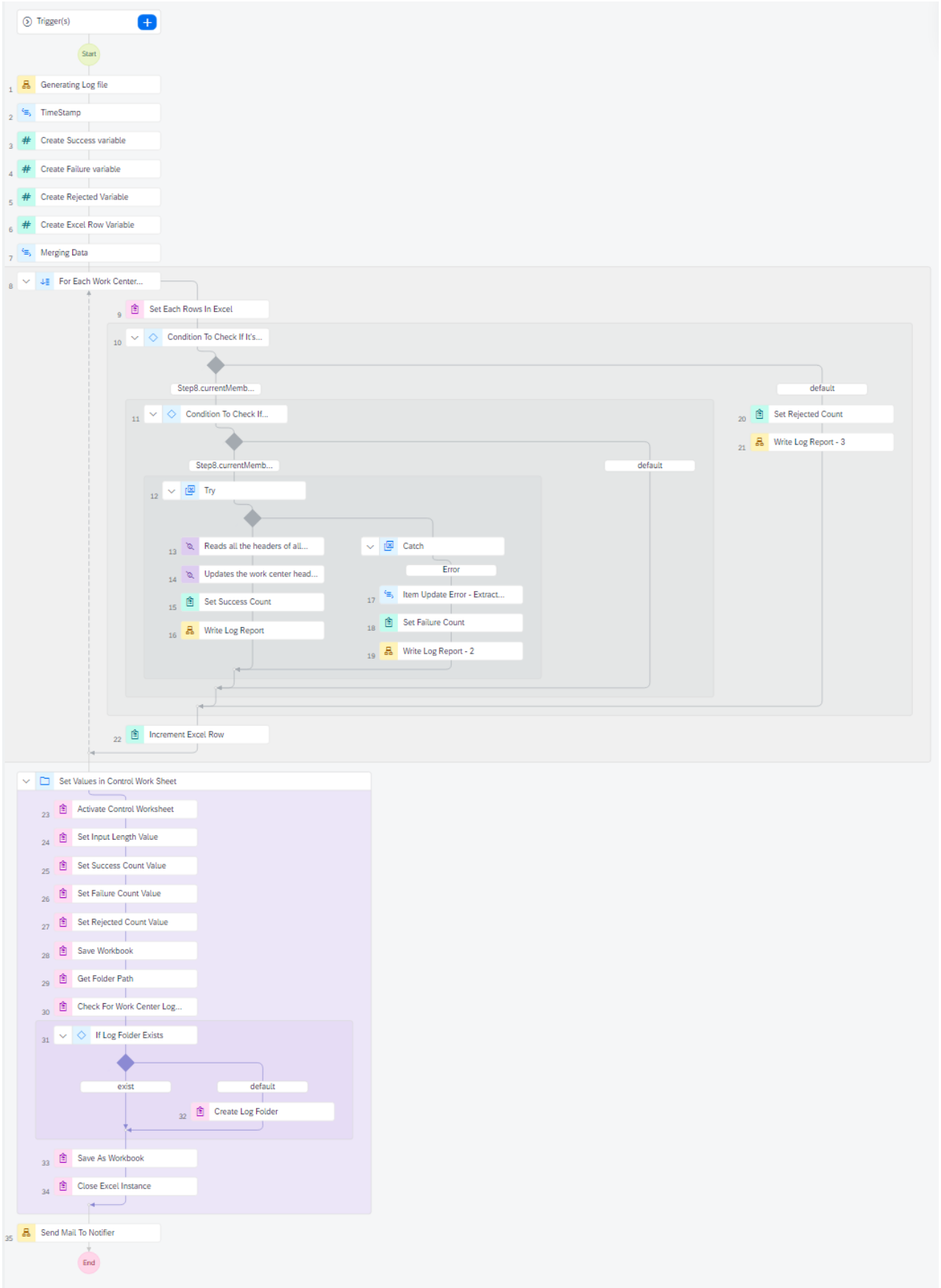
Step 1: Trigger the automation to **“Generate Log File”**.
Step 2: Custom script to find current date and time.
Step 3 to Step 6: Create variables required for the process.
Step 7 to Step 9: For each work center details bot will check for the mandatory fields to change work center details are null or not.
Step 10 to Step 18: If mandatory fields are available, automation updates the work center details and logs the details of work center in the excel.
Step 19 Step 23: Activate the control work sheet and write the input length, success count, failure count in excel file.
Step 24 to Step 27: Checking if “WorkCenterLog” folder exists in pre-defined folder, if not it creates a new folder.
Step 28: Save as “AutoChangeWorkCenterLogReport” in the designated folder path.
Step 29: Close the excel instance.
Step 30: Trigger the **“Send Mail To Notifier”** to send email with the excel log report attachment to notifier.

Change Work Center

Automation to change work center details in backend system which are approved by the Approver. If there are any errors during the change, it will return an error message with reasons for the failure.

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Step 1: Trigger the automation to “**Generate Log File**”.

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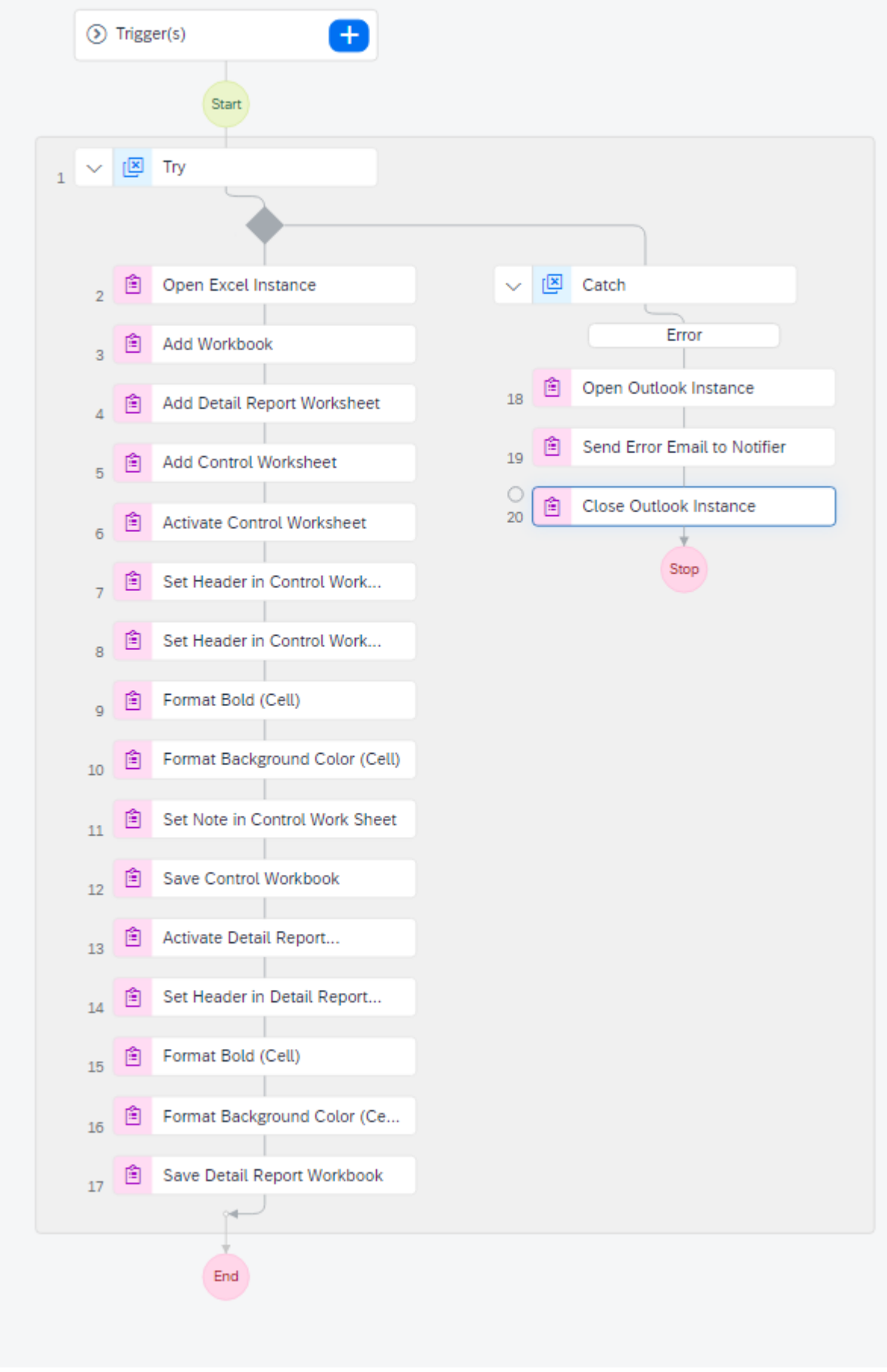
Step 2: Custom script to find current date and time.
Step 3 to Step 6: Create variables required for the process.
Step 7: Custom script to merge work center details.
Step 8 to Step 10: For each work center details bot will check if details are approved.
Step 11: Condition to check for the mandatory fields to change work center are null or not.
Step 12 to Step 22: If mandatory fields are available, automation updates the work center details and logs the details of work center in the excel.
Step 23: Step 28: Activate the control work sheet and write the input length, success, rejected count, failure count in excel file.
Step 29 to Step 32: Checking if “WorkCenterLog” folder exists in pre-defined folder. if not, it creates a new folder.
Step 33: Save as “ChangeWorkCenterLogReport” in the designated folder path.
Step 34: Close the excel instance.
Step 35: Trigger the **“Send Mail To Notifier”** to send email with the excel log report attachment to notifier.

Generating Log file

Automation to generate a log report for the work center to show the number of records that are successful or failed and give detailed information for each record.

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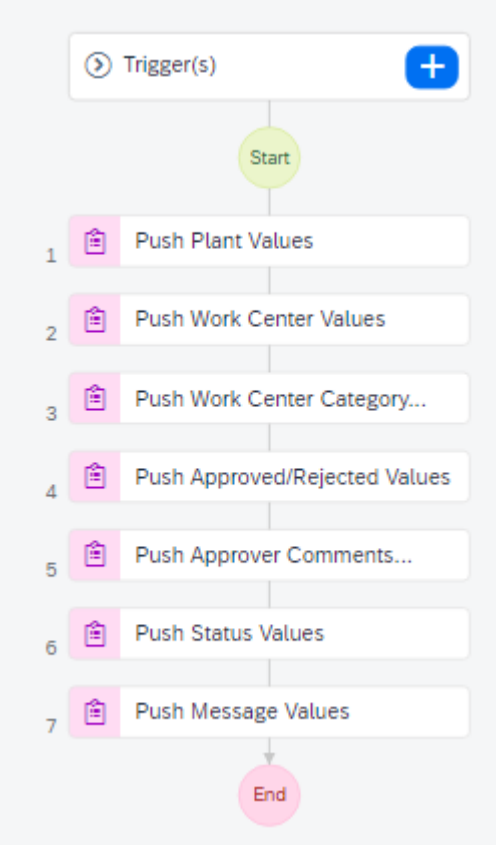
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Step 1 to Step 17: Create an excel workbook, add worksheets named **“Control”** and **“Detail Report”**, add headers to each work sheets with format and save the workbook.
Step 18 to Step 20: Send notification to notifier if any issues during the creation of excel.

Write Log Report

Automation to store the values of work center in report log excel file.



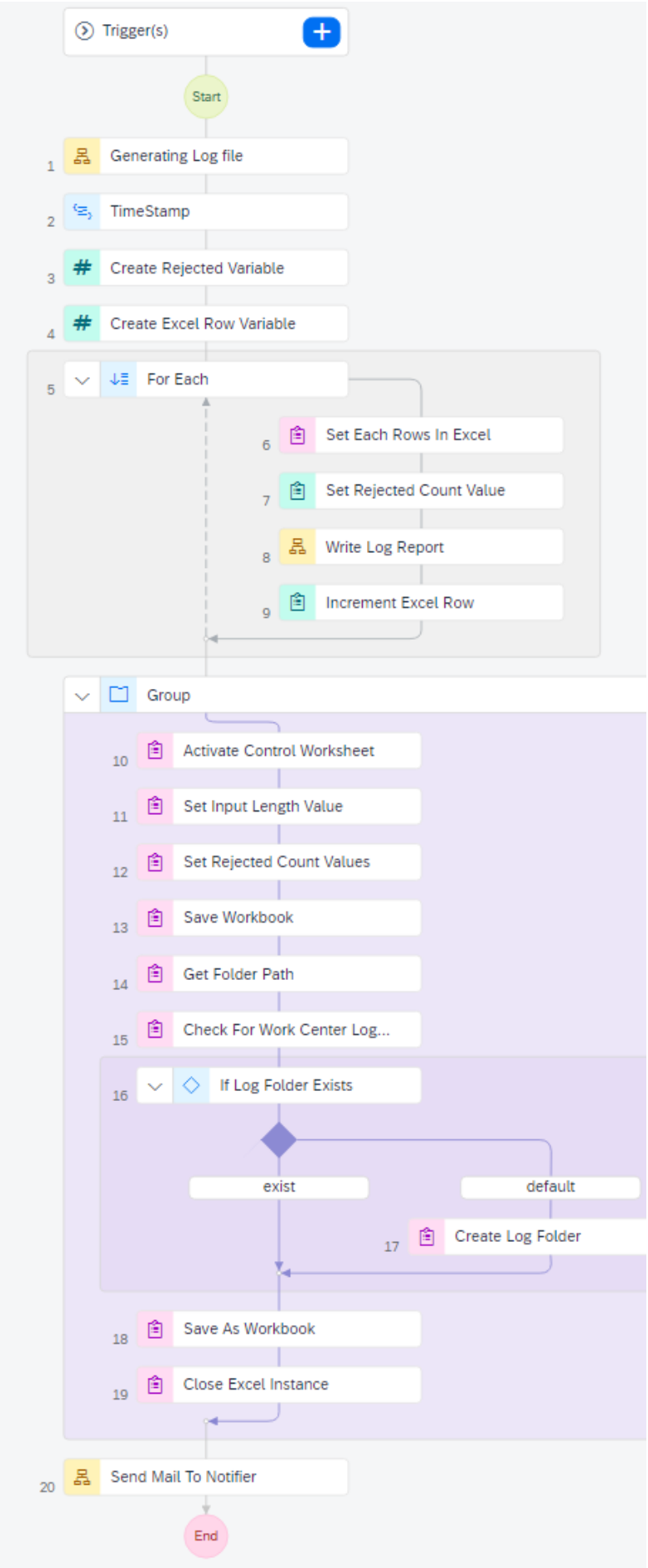
Step 1 to step 7: Fill in the work center details in excel file.

Generating Log File For Rejected Work Center

Automation to generate a log report for the rejected creation of work center details and which will show number of records are rejected and give detailed information regarding each record.

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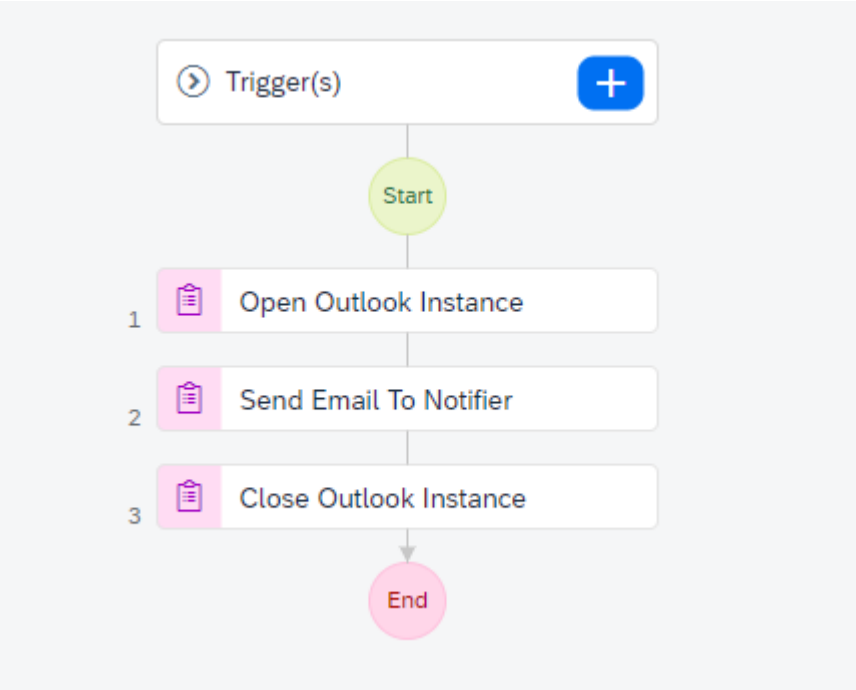
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Step 1: Generate log report template.
Step 2: Custom script to save timestamp.
Step 3 to Step 4: Create variables required for the process.
Step 5 to Step 13: Write the logs into excel with rejection details.
Step 14 to Step 17: Checking if “WorkCenterLog” folder exists in pre-defined folder. If it does not exist, it creates a new folder.
Step 18 to Step 19: Save the workbook and close the excel instance.
Step 20: Trigger the **“Send Mail To Notifier”** to send email with the excel log report attachment to notifier.

Send Mail To Notifier

Automation to send log report mail to Notifier.



Step 1 to 3: Opens the outlook and sends the email with the excel log report attachment to notifier.

Schedule an Automation to run in unattended mode.

A scheduled trigger creates jobs that are based on the schedule you define in the trigger. These jobs run fully automatically. The following table provides steps to run the automation in scheduled mode.

Step	Instruction
Launch Desktop Agent	Launch Desktop Agent. Make sure that the Unattended mode is selected in the Projects tab of the Desktop Agent.
Open SAP Build Process Automation	Perform the following to release and deploy the task automation: ● Navigate to the Store and search for the **Creation And Modification Of Work Center** package. ● Click **Add** to add the package to the Lobby. ● In the Lobby, click the project to open the Overview page. ● Click Release and then click Deploy. For steps to release and deploy a project, see the Managing Existing Projects topic.

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Add Scheduled triggers	Add an unattended trigger to "**Fetch Work Center Data For Update"** automation with Input parameter folder path where "SelectionScreen" is saved. Ex: C:\Root \work center\Template\Selection Screen.xlsx Add an unattended trigger to "**Read Details From Excel File"** automation with Input parameter folder path where "ToBeProcessed" is saved. Ex: C:\Root\work center\ToBeProcessed To add an unattended trigger, refer to the Add a Scheduled Trigger topic.
Monitor the Job	Open SAP Build Process Automation and click **Monitor > Automation Jobs**. You should see your job on the list. If not, adjust the date range on the Jobs page and refresh the page. For more details, refer to the Automation Jobs topic.
Check for Report	After your job status is Complete, verify notification emails sent to the respective stakeholders.

Support

There is no support available for the template content. If you experience general issues with SAP Build Process Automation, raise an incident via SAP Support Portal on BPI-PA-BPC component.
This template can be modified using SAP Process Automation. For example: add a decision to determine the approver based on a certain business logic or add an action to post collected information to the backend SAP system. Refer Help Portal for more details.

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